

Appl. No. 09/724,571  
 Amdt. dated March 18, 2005  
 Reply to Office Action of December 10, 2004

PATENT

Appendix: Claim Support Summary Table

Claim	Location of support in 60/139,172, filed June 15, 1999
78. (Currently amended) A method of screening for compounds that inhibit A $\beta$ production,	Page 53, lines 1-10
comprising contacting a <u>purified protein purified to apparent homogeneity</u> comprising a segment of a $\beta$ -secretase enzyme protein	Page 53, lines 21-23, and page 17, lines 10-20
<u>extending from residue 46 to residue 452 of SEQ ID NO:2 or up to several amino acids beyond, wherein the purified protein lacks a transmembrane region and residues 1-45 of SEQ ID NO:2, wherein</u> <u>(i) the segment lacks the signal sequence (amino acid residues 1-22 with respect to SEQ ID NO:2) and the putative pro region (amino acid residues 23-45 with respect to SEQ ID NO:2), and (ii)</u>	Page 29, line 24 - page 30, line 11 Page 31, lines 3-6
<u>wherein the purified protein exhibits <math>\beta</math>-secretase activity, as evidenced by an ability to cleave a substrate selected from the group consisting of the 695 amino acid isotype of beta amyloid precursor protein (<math>\beta</math>-APP) between amino acids 596 and 597 thereof,</u>	Page 17, lines 4-9
MBP-C125wt and MBP-C125sw	Page 73, lines 1-14
with (a) a test compound and (b) a $\beta$ -secretase substrate, and selecting the test compound as capable of inhibiting beta-amyloid (A $\beta$ ) production if said protein exhibits	Claim 70 as filed



Appl. No. 09/724,571  
Amdt. dated March 18, 2005  
Reply to Office Action of December 10, 2004

PATENT

<p>85. (Previously presented) The method of claim 78,</p> <p>wherein said <math>\beta</math>-secretase substrate has a sequence selected from the group consisting of SEQ ID NO: 82,</p> <p>SEQ ID NO: 83,</p> <p>SEQ ID NO: 84, SEQ ID NO: 85, SEQ ID NO: 86, SEQ ID NO: 87, SEQ ID NO: 88, SEQ ID NO: 89, SEQ ID NO: 90, SEQ ID NO: 91, SEQ ID NO: 92, SEQ ID NO: 93, SEQ ID NO: 94, SEQ ID NO: 95, and SEQ ID NO: 96.</p>	Claim 40 as filed
	Page 76, lines 15-16 and claim 40 as filed
	Claim 40 as filed